

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended) A method for predicting measurement data until a final time-point using given measurement data, comprising:

- a) matching, using a processor, a stochastic process to said given measurement data;
  - b) running simulation runs of said stochastic process from a given time-point until said final time-point;
  - c) determining forecast measurement data for each simulation run; ~~and~~
  - d) predicting measurement data by stating a range of values, which is determined by said forecast measurement data, and providing said predicted measurement data as useable output;
- determining a confidence range for said prediction of measurement data; and  
eliminating a lowest percentage and a highest percentage forecast measurement data.

Claim 2 (Canceled)

Claim 3 (Currently Amended) The method as claimed in claim [[2]]1, wherein the lowest and highest percentages are equal values.

Claim 4 (Previously Amended) The method as claimed in claim 1, wherein said stochastic process is a non-homogeneous Poisson process.

Claim 5 (Previously Amended) The method as claimed in claim 1, wherein said measurement data represents numbers of errors.

Claim 6 (Currently Amended) A method for predicting measurement data using given measurement data, comprising:

- a) matching, using a processor, a stochastic process to said given measurement data;
- b) sorting probability values generated by said stochastic process according to size, to provide a range around an expected value; and
- e) predicting measurement data within limits of said range, and providing said predicted measurement data as useable output; and  
determining a confidence range for said prediction of measurement data; and  
eliminating a lowest percentage and a highest percentage forecast measurement data.

Claim 7 (Previously Amended) The method as claimed in claim 6, further comprising:

sorting said probability values generated by said stochastic process symmetrically by size around said expected value.

Claim 8 (Currently Amended) An arrangement for predicting measurement data until a final time-point using given measurement data, comprising:

a processor unit, having a CPU, bus, memory, and input/output controller, configured in such a way that:

- a) simulation runs of the stochastic process can be carried out from a give time-point until the final time-point;
- b) forecast measurement data can be determined for each simulation run; and

e) measurement data is predicted by stating a range of values, which is determined by said forecast measurement data, said measurement data being output in a useable form; and

a confidence range for said prediction of measurement data is determined; and

a lowest percentage and a highest percentage forecast measurement data are eliminated.

Claim 9 (Currently Amended) An arrangement for predicting measurement data using given measurement data, comprising:

a processor unit, having a CPU, bus, memory, and input/output controller, configured in such a way that:

a) a stochastic process can be matched to the given measurement data;

b) a range can be ascertained by sorting probability values generated by said stochastic process according to size around an expected value; and

e) said measurement data is predicted within the limits of the range, said measurement data being output in useable form; and

a confidence range for said prediction of measurement data is determined; and

a lowest percentage and a highest percentage forecast measurement data are eliminated.